

# **Current Counter-Measures and Responses by Regulators in Partnership with Internet Service Providers**

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**Philippine Internet Services Organization (PISO)**

# PHNET

- A non-stock, not-for-profit foundation
- Established in 1994
- Consortium of academic institutions
- Connected the Philippines to the Internet
- The EDU.PH Registry since 1994
- [www.ph.net](http://www.ph.net)

# PISO

- The Philippine Internet Services Organization
- Incorporated in 1996
- internet-related **services** such as web design, domain registration, wireless, application and hosting services
- Not only access providers but ...
- [www.piso.org.ph](http://www.piso.org.ph)

# Common Terms

- Virus
  - Needs a host to survive
  - Uses the resources of the host to replicate
- Trojan Horses
  - Malware embedded in ordinary software

# Common Terms

- Worms
  - Self-replicating malware
  - Does not need hide in “normal” software

# Macro Virus

- Reside in data files, not programs
- Written in scripting language of an application
- Executed by an application
- Spreads faster, most popular
  - Cross-platform
  - Data sharing

# Vectors

- E-mail Attachments
  - Programs
  - Macros (scripts)
- Hacking
  - Install the malware

# Anti-Malware Measures

- Stopping the vectors
  - Limited to our subs
  - Limited to our e-mail/hosting subs
- Why not for everything going through the pipes?
  - Privacy concerns
  - Anti-spam measures



# Anti-Malware Measures

- Take-down policy for hosted sites
  - Violations of AUP
- Take-down /Stop policy for access
  - Violations of AUP

# Anti-Malware Measures

- Internal systems
  - Anti-virus
  - Honeypots
  - Anti-spam tarpits
  - Measures against social engineering

# Other Malware

- We will never be the source
- Code of conduct
  - No hosting for spam sites
- Close monitoring of subscribers
  - DOS attacks on subs

# Other Malware

- Cookie Abuse
  - What is in the cookie?
  - Tracking software
  - Privacy Issues
    - Doubleclick.com

# The Regulator

- Anti-Cybercrime bill at Congress
- Seoul-Melbourne Multilateral Memorandum of Understanding on Cooperation in Countering Spam in 2005
- Establishment of a national CERT
- Anti-spam on SMS measures
  - NTC memoranda